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**“जानने का अधिकार, जीने का अधिकार”**

Mazdoor Kisan Shakti Sangathan

**“The Right to Information, The Right to Live”**

**“पुराने को छोड़ नये के तरफ”**

Jawaharlal Nehru

**“Step Out From the Old to the New”**

IS 8586 (1977): Suction Tube, Poole's Pattern [MHD 1 :  
Surgical Instruments]

**“ज्ञान से एक नये भारत का निर्माण”**

Satyanaaranay Gangaram Pitroda

**Invent a New India Using Knowledge**



**“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”**

Bhartṛhari—Nītiśatakam

**“Knowledge is such a treasure which cannot be stolen”**





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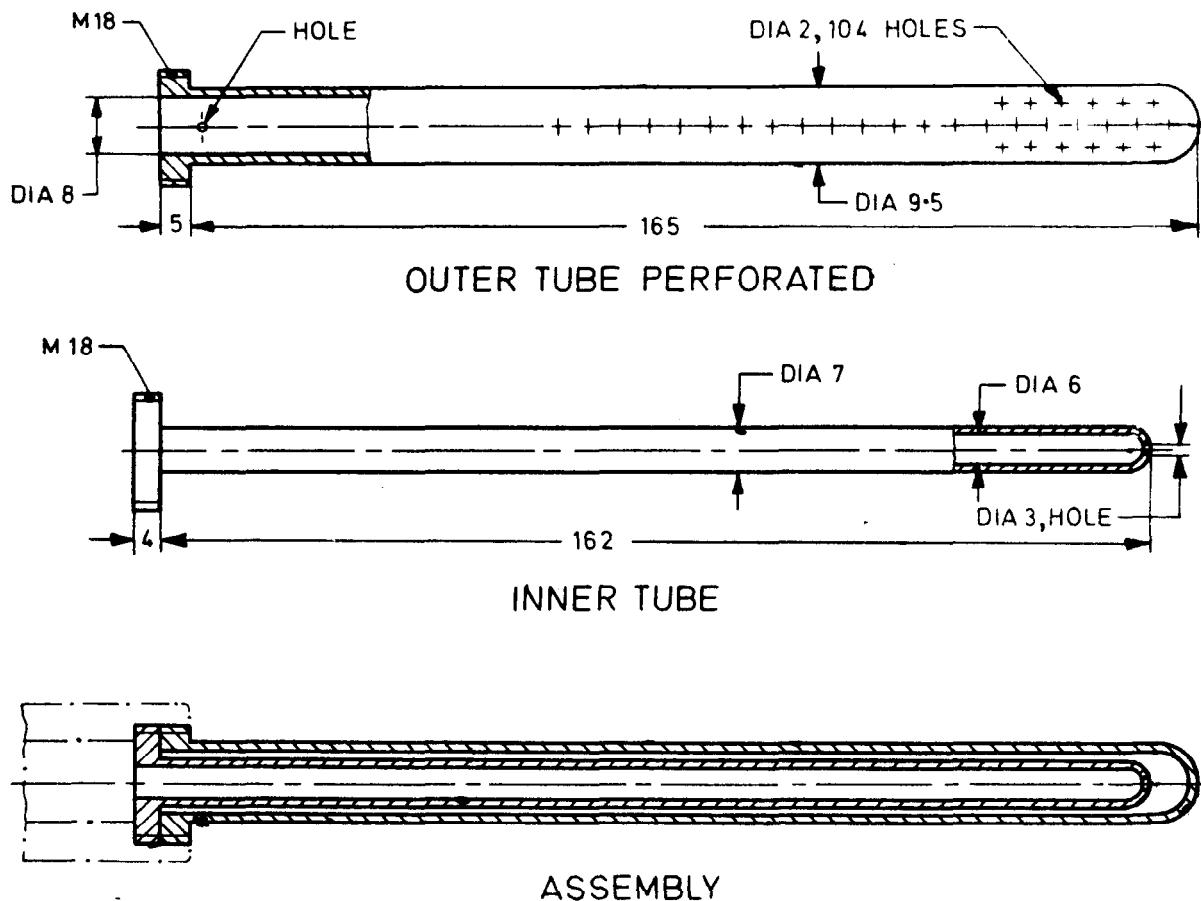
Indian Standard

## SPECIFICATION FOR SUCTION TUBE, POOLE'S PATTERN

RE-AFFIRMED 1996<sup>o</sup>

**1. Scope** — Dimensional and other requirements for Poole's pattern suction tube used in general surgery.

**2. Shape and Dimensions** — As shown in Fig. 1.



All dimensions in millimetres.

FIG. 1 SUCTION TUBE, POOLE'S PATTERN

**2.1** A deviation of  $\pm 2.5$  percent shall be allowed on all dimensions.

**3. Material** — Stainless steel conforming to Designation 04Cr18Ni11 or 07Cr18Ni9 of IS : 1570 (Part V)-1972 'Schedules for wrought steels for general engineering purposes: Part V Stainless and heat-resisting steels (*first revision*)'.

### 4. Workmanship and Finish

**4.1** The tube shall be free from scales, pits, burrs and other surface defects.

**4.2** The hole of the tube shall be well-formed.

**4.3** Welding, soldering or brazing when provided shall be neat and sound.

**4.4** The tube shall be polished bright and passivated.

**5. Tests**

**5.1 Corrosion Resistance (Copper Sulphate)** — Scrub the sample with soap and warm water, rinse in hot water and then dip in 90 percent ethyl alcohol. Dry the sample. Immerse in copper sulphate solution at room temperature for 6 minutes and wash off with fresh water or wet cotton wool.

**5.1.1** The copper sulphate solution shall be prepared as follows:

Copper sulphate (CuSO <sub>4</sub> .5H <sub>2</sub> O)	4·0 g
Sulphuric acid (H <sub>2</sub> SO <sub>4</sub> ) (sp gr 1·84)	10·0 g
Distilled water [ see IS : 1070-1977 Specification for water for general laboratory use (second revision) ]	90·0 ml

**5.1.2** No red stains or spots on the sample shall be allowed but dulling of the polished surface may be permitted.

**6. Marking** — Each suction tube shall be marked with manufacturer's name, initials or recognized trade-mark.

**6.1 ISI Certification Marking** — Details available with the Indian Standards Institution.

**7. Packing** — Each suction tube shall be wrapped in a moisture-proof paper and put in a cardboard cartons or polyethylene bags. They may also be packed as agreed to between the purchaser and the supplier.